

What is claimed is:

1. A content distribution system comprising a content distribution server, the server transmitting content upon receipt of an access to the system from different types of terminal devices,

5 wherein the content is stored in the content distribution server, and the system identifies a type of the terminal device which have requested for the content along with changing contents of processing by which the content is distributed depending on the type of the terminal when the content distribution processing is performed according to the
10 stored content.

2. A content server receiving accesses from terminal devices, each using different display language, the content server comprising:

15 content storage means, storing content created by data written in a basic language;

terminal type identifying means, identifying a type of the terminal device accessing to the server; and

20 language conversion and transmission means, reading out the content stored in the content storage means, converting the display language used for the content into an appropriate display language for performing display on the terminal device, and transmitting the converted content to the terminal device.

25 3. A program for realizing a content server receiving an access by different types of terminal devices with a computer the content server comprising:

content storage means, storing content created by data written in a basic language;

30 terminal type identifying means, identifying a type of the terminal device accessing to the server; and

language conversion and transmission means, reading out the content stored in the content storage means, converting the display language used for the content into an appropriate display language for performing display on the terminal device, and transmitting the
35 converted content to the terminal device.

4. A storage medium to store a program for realizing a content

server receiving an access by different types of terminal devices with a computer, the content server comprising:

content storage means, storing content created by data written in a basic language;

5 terminal type identifying means, identifying a type of the terminal device accessing to the server; and

10 language conversion and transmission means, reading out the content stored in the content storage means, converting the display language used for the content into an appropriate display language for performing display on the terminal device, and transmitting the converted content to the terminal device.

15 5. The content server of claim 2 wherein the terminal type identifying means identifies the type of the terminal device in accordance with an header of Hyper Text Transfer Protocol (HTTP) sent from the terminal.

20 6. The content server of claim 2 wherein the terminal type identifying means identifies the type of the terminal device in accordance with an IP address of the terminal device when it accesses to the server.

25 7. The content server of claim 2 wherein information in the data written in the basic language which is required for performing display on the terminal device is separated into display contents description data indicative of what is to be displayed and display format description data indicative of a display format of the display,

30 and wherein the data written in the basic language includes at least the display contents description data and the display format description data necessary for performing display.

35 8. The content server of claim 7 wherein the display format description data includes description indicating a display format of each of the display contents corresponding to each of the display contents described in the display contents description data.

9. The content server of claim 8 wherein the description indicating

the display format includes an elliptical symbol, which shows that the description is a predetermined display format.

5 10. A method of distributing content on receipt of an access to the system from different types of terminal devices, the method comprising the steps of:

10 15 storing the content;
identifying a type of the terminal device which have requested for the content; and

10 20 25 changing contents of processing by which the content is distributed depending on the type of the terminal when the content distribution processing is performed according to the stored content.

15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250 255 260 265 270 275 280 285 290 295 300 305 310 315 320 325 330 335 340 345 350 355 360 365 370 375 380 385 390 395 400 405 410 415 420 425 430 435 440 445 450 455 460 465 470 475 480 485 490 495 500 505 510 515 520 525 530 535 540 545 550 555 560 565 570 575 580 585 590 595 600 605 610 615 620 625 630 635 640 645 650 655 660 665 670 675 680 685 690 695 700 705 710 715 720 725 730 735 740 745 750 755 760 765 770 775 780 785 790 795 800 805 810 815 820 825 830 835 840 845 850 855 860 865 870 875 880 885 890 895 900 905 910 915 920 925 930 935 940 945 950 955 960 965 970 975 980 985 990 995 1000 1005 1010 1015 1020 1025 1030 1035 1040 1045 1050 1055 1060 1065 1070 1075 1080 1085 1090 1095 1100 1105 1110 1115 1120 1125 1130 1135 1140 1145 1150 1155 1160 1165 1170 1175 1180 1185 1190 1195 1200 1205 1210 1215 1220 1225 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11010 11015 11020 11025 11030 11035 11040 11045 11050 11055 11060 11065 11070 11075 11080

display format according to the display format description data.

12. A language conversion system for converting different display languages used for performing display on different types of terminal devices into a basic language, the system comprising:

5 display language data storage means, storing data written in the display languages; and

conversion processing means, converting the data written in the display language stored in the display language data storage means into 10 data written in written in the basic language;

wherein the conversion processing means separates the data written in the display language into display contents description indicative of what is to be displayed and display format description indicative of a display format of the display as a result of performing an 15 analysis of the data written in the display language, and the data written in the basic language includes at least display contents description data and display format description data necessary for performing display.

20 13. A storage medium to store a program for realizing a language conversion system for converting different display languages used for performing display on different types of terminal devices into a basic language with a computer, the system comprising:

25 display language data storage means, storing data written in the display languages; and

conversion processing means, converting the data written in the display language stored in the display language data storage means into data written in written in the basic language;

wherein the conversion processing means separates the data 30 written in the display language into display contents description indicative of what is to be displayed and display format description indicative of a display format of the display as a result of performing an analysis of the data written in the display language, and the data written in the basic language includes at least display contents 35 description data and display format description data necessary for performing display.

14. A program for realizing a language conversion system for converting different display languages used for performing display on different types of terminal devices into a basic language with a computer, the system comprising:

5 display language data storage means, storing data written in the display languages; and conversion processing means, converting the data written in the display language stored in the display language data storage means into data written in the basic language;

10 wherein the conversion processing means separates the data written in the display language into display contents description indicative of what is to be displayed and display format description indicative of a display format of the display as a result of performing an analysis of the data written in the display language, and the data written in the basic language includes at least display contents description data and display format description data necessary for performing display.

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20 15. The language conversion system of claim 12 wherein the conversion processing means generates data written in the basic language not including the display format description data when the display format of a display language which to be converted is in a basic display format.

25 16. The language conversion system of claim 15 wherein the display format description data includes description indicating a display format of each of the display contents corresponding to each of the display contents described in the display contents description data.

30 17. The language conversion system of claim 16 wherein the description indicating the display format includes an elliptical symbol, which shows that the description is a predetermined display format.

35 18. A method of converting data written in a language for output which is subject to conversion into data written in a basic language, the method being used for converting data written in different languages for output by different types of devices into data written in one common

basic language, the method comprising the step of

separating the data written in the output language into output contents description indicative of what is to be output and output format description indicative of an output format of the output data as a result of performing an analysis of the data written in the output language, and the data written in the output language including at least output contents description data and output format description data necessary for performing output.

10 19. A language conversion system for generating data written in multiple different languages for performing display on different types of terminal devices according to one basic language, the system comprising:

15 basic language data storage means, storing data written in the basic language; and

conversion processing means, converting the data written in the basic language data stored in the basic language data storage means into data written in the display language;

20 wherein information in the data written in the basic language which is required for performing display on the terminal device is separated into display contents description data indicative of what is to be displayed and display format description data indicative of a display format of the display,

25 and wherein the data written in the basic language includes at least the display contents description data and the display format description data necessary for performing display.

30 20. A storage medium to store a program for realizing a language conversion system for generating data written in multiple different languages for performing display on different types of terminal devices according to one basic language with a computer, the system comprising:

basic language data storage means, storing data written in the basic language; and

35 conversion processing means, converting the data written in the basic language data stored in the basic language data storage means into data written in the display language;

wherein information in the data written in the basic language which is required for performing display on the terminal device is separated into display contents description data indicative of what is to be displayed and display format description data indicative of a display format of the display,

and wherein the data written in the basic language includes at least the display contents description data and the display format description data necessary for performing display.

10 21. A program for realizing a language conversion system for generating data written in multiple different languages for performing display on different types of terminal devices according to one basic language with a computer, the system comprising:

15 basic language data storage means, storing data written in the basic language; and

conversion processing means, converting the data written in the basic language data stored in the basic language data storage means into data written in the display language;

20 wherein information in the data written in the basic language which is required for performing display on the terminal device is separated into display contents description data indicative of what is to be displayed and display format description data indicative of a display format of the display,

25 and wherein the data written in the basic language includes at least the display contents description data and the display format description data necessary for performing display.

30 22. The language conversion system of claim 19 wherein the conversion processing means carries out the conversion so that a display format of the data is in a standard display format in the display language to be converted when no display format description data is included in the data written in the basic language.

35 23. The language conversion system of claim 19 wherein the display format description data includes description indicating a display format of each of the display contents corresponding to each of the display contents described in the display contents description data.

24. The language conversion system of claim 23 wherein the description indicating the display format includes an elliptical symbol, which shows that the description is a predetermined display format.

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25. A method of converting data written in a basic language being retrieved which is subject to conversion into data written in a language for output, the method being used for converting the data written in the basic language into data written in different kind of languages for outputting by different types of terminal devices according to one basic language,

10 wherein information, contained in the data written in the basic language which is required for performing output by the terminal device, is separated into output contents description data indicative of what is to be output and output format description data indicative of an output format,

15 and wherein the data written in the basic language includes at least output contents description data and output format description data necessary for performing output.

20 26. Data written in a basic language which is used as basic data for converting data into data written in multiple different languages for performing output by different types of terminal devices, the medium following parts:

25 an output contents description part, describing output contents of the data; and

an output format description part, describing an output format of the output contents.

30 27. A storage medium to store the data written in the basic language defined in claim 26.